

CARNEYS POINT GENERATING PLANT CARNEYS POINT, NEW JERSEY

The Carneys Point Generating Plant, of Carneys Point, New Jersey, part of the PG&E National Energy Group, is a 260 MW pulverized coal cogeneration facility. Due to several improvements, including technology to improve NOx emissions, and a dry scrubbing system to reduce SO2, the facility is one of the cleanest coal-fueled electric generating plants in the US. The facility has also implemented a system to control dust emissions and works with DuPont to monitor water that flows into area wetlands and to treat water discharges.

In addition, the facility is a member of the New Jersey Star Track program.

AT A GLANCE:

Industry Sector:	SIC 4911
Business:	Electric generation
Facility Employees:	50-99
Accomplishments:	Reduced total energy use Improved total energy use
Commitments:	Reduce total material use Reduce caustic material use Reduce energy use Reduce total solid waste
Address:	500 Shell Road Carneys Point, NJ 08069
Web site:	www.neg.pge.com

ENVIRONMENTAL PERFORMANCE

Past Accomplishments

Carneys Point Generating Plant has demonstrated its commitment to environmental performance through reduced total energy use and improved total energy use. Since 1999, the facility has:

- **Reduced total energy use** by 1,716,960 kwh by eliminating the reverse air fans and routed new duct work from an existing fan.
- **Improved total energy use** 10,000,000 btu in winter and 6,000,000 btu in summer by recovering steam/water previously lost in the thermal drain system and using it for energy output.

Future Commitments

Carneys Point Generating Plant is working to reduce total material use for several materials, reduce energy use, and reduce total solid waste. By 2004, the facility will:

- **Reduce total material use** of raw water caustic use 39% and ferric chloride use 9% by using seasonal changes in water pH to allow for different materials to be used thus reducing active chemical use and the need for caustic to maintain pH.
- **Reduce total caustic material use** in the demineralizers 43% by updating equipment to allow for capture of unused caustic material.

- **Reduce energy use** 43% by installing the correct fan rotors and by modifying the inlet assembly.
- **Reduce total solid waste** 29% by reclaiming the fly ash and using it for other purposes such as cement production.

COMMUNITY OUTREACH

The Carneys Point Generating Plant has procedures in place to respond to public concerns. The facility is also involved in area citizens groups, as well as volunteers in area schools and in community events. The Annual Performance Report can be found on their website at www.neg.pge.com